

Study Name: Chickpea tolerance to soil-applied herbicides (0711)

Objectives: Evaluate chickpea tolerance to herbicides applied preemergence.

Results:

Only slight chickpea injury was observed with any treatment. More injury was noted with KIH-485 and diuron, but by the mid-July crop injury was 11% or less with all treatments. Redroot pigweed control was excellent with Spartan + Prowl H2O, KIH-485, and Balance. Linuron and diuron only provided poor to fair pigweed control. The study was not harvested due to excessive disease pressure.

Treatment ^a	Rate	Timing	Chickpea		Rrpw ^b
			% injury		% control
			Jul 3	Jul 14	Jul 14
Handweeded			2	0	95
Linuron	2lb	PRE	4	0	50
Diuron	2.5lb	PRE	12	11	77
Spartan + Prowl H2O	3fl oz + 2.6pt	PRE	1	0	95
KIH-485	0.3lb ai	PRE	14	7	100
Balance	3fl oz	PRE	0	0	98
Untreated Check			0	0	0
LSD (0.05)			6.5	6.9	17.1
CV			78.4	147.6	13

^a Spartan + Prowl H2O was applied PRE to aid handweeding

^b Rrpw = Redroot pigweed